

## CHAPTER 2 OPERATING INSTRUCTIONS

### Section 1. OPERATING PROCEDURES

#### CAUTION

Keep your powder dry. Firing the M651 cartridge into water will increase the dud rate and decrease the amount of CS cloud disseminated. Immersion of unpacked M651 cartridges in water may cause the cartridges to misfire.

#### 2.1 Loading and Unloading, Firing and Targets

##### a. Loading and Unloading.

(1) Load and unload the M651 cartridge from the M79 grenade launcher in accordance with procedures outlined in TM 9-1010-205-10.

(2) Load and unload the M651 cartridge from the M203 grenade launcher in accordance with procedure outlined in TM 9-1010-221-10.

b. Firing. Make sure you carry your field protective mask when firing the M651 cartridge. The M651 cartridges are not explosive rounds; however, a malfunctioning projectile may explode upon target impact. Adequate protection should be afforded friendly troops in the immediate vicinity of the target. Make sure that someone informs friend-

#### 1-6. Tabulated Data (approximate)

Length of round	11 cm (4 1/8 in)
Caliber	40-mm
Weight of round	282 grams (10 oz)
Length of projectile	10 cm (4 in)
Weight of projectile	205 grams (7 1/4 oz)
Type of filling	CS pyrotechnic mixture
Weight of filling	53 grams (2 oz)
Maximum accurate range	200 meters (656 ft)
Maximum range	400 meters (1312 ft)
Fuze arming distance	10 to 30 meters (32.8 to 98.4 ft)
Burning time	20 to 30 sec
National Stock Number (NSN)	1310-00-849-2063